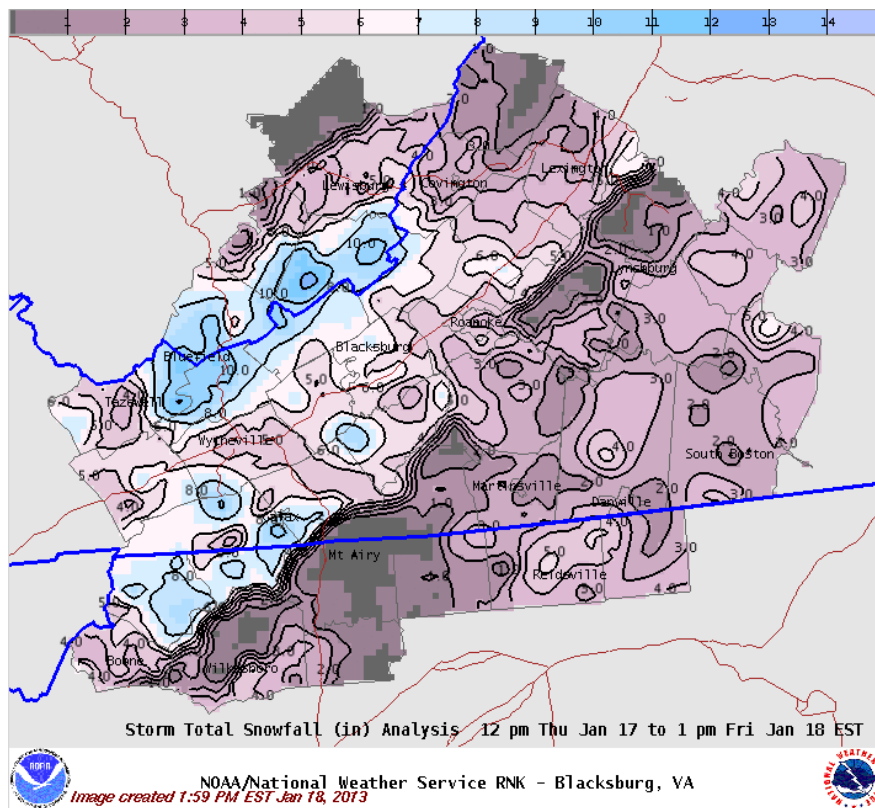


Top 5 Weather Events for 2013

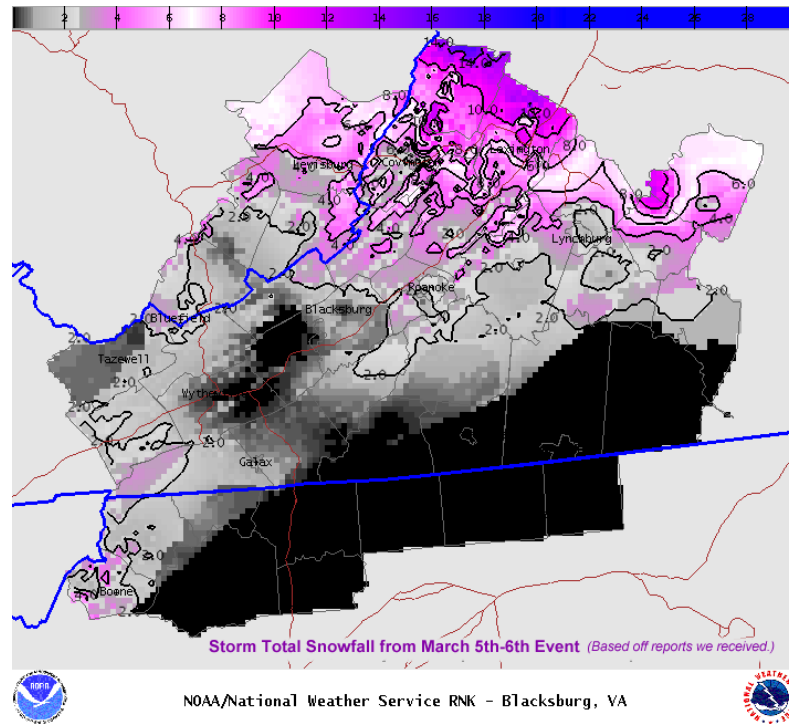
5. January 17th Snow Event.

The first significant winter storm of the season to impact more than just the higher elevations and western slopes of the central Appalachians occurred late in the day on January 17, 2013. The snow came down heavy and wet, especially across the mountains. This heavy wet snow weighed down large limbs and power lines which led to many power outages. Four to seven inches of snow was reported in some spots in the Piedmont. In the mountains, several locations had more than a foot of snow, with Princeton, WV reporting the highest at 15 inches. Creston, NC in Ashe County came in at 14 inches



4. March 5th-6th Winter Storm.

Very significant accumulations of heavy, wet snow fell across northern portions of the area, including 10" in Clifton Forge and Lexington, 12-17" in Bath County, 12" in extreme northern Rockbridge County and even Buckingham County as well. 6-8" were common in parts of Greenbrier Co WV. These areas experienced widespread power outages due to the heavy snow on limbs and power lines, which were also aggravated by wind gusts of 30-40 mph in some places.



2 (tie). January 30-31st Flooding.

Rain began around midday on the 30th, but was most intense during a 6 to 8 hour period in the evening along an axis from Roanoke County southwest to Watauga County. There were widespread reports of road closures and a number of water rescues reported to be in progress. The most serious flooding was in Watauga County, NC where rainfall of 4 to 6 inches by early evening pushed numerous streams out of their banks and several swift water rescues were reported in and around the Boone area. While significant impacts were reported at Radford with flooded parking lots and cars, as well as Glen Lyn where several campgrounds and trailer parks along the river flooded.

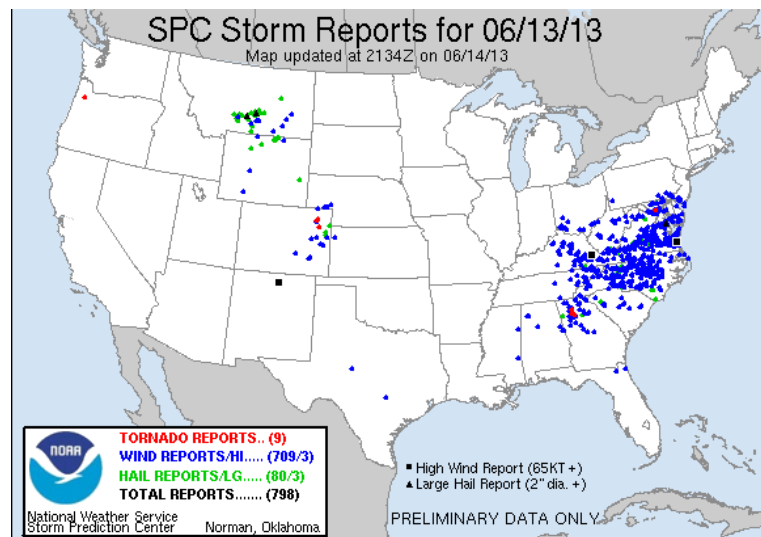
One the more unusual effects of the flooding in the New River basin was the development of problems at the Byllesby/Buck Hydroelectric dams located in northwest Carroll County. The dam owners contacted the NWS in the early morning hours of the 31st and reported a non-emergency at these dams. This was due to the dam operators being unable to reach the dams and remove flashboards (temporary barriers on top of the dam) due to local flooding and closed roads.



Claytor Dam on Jan 31st, 2013

2 (tie). June 13th Derecho/High Wind Event

This event would be considered a very low-end derecho compared to the extreme event that impacted this region on June 29th, 2012, and based on some more stringent definitions in the scientific literature it may not fit all possible definitions. However, it certainly still had a significant impact on this region in terms of widespread straight-line wind damage to trees, power lines, homes, and vehicles with thousands of power outages. There were two fatalities in North Carolina as well, either directly or indirectly caused by the winds. 68 MPH winds were measured at Roanoke with \$0.75 million of damage in Caswell County, \$0.5 million damage in Rockingham County, and \$0.2 million damaged in Campbell County.



1. A Record Wet July

Rainfall in July reached nearly incredible totals across parts of the North Carolina Mountains with a number of stations in Watauga County recording in excess of 25 inches for the month which is up to 5 times the normal July amount. July 2013 was also the wettest July on record at Roanoke (12.73 inches) and 2nd wettest month since 1912. Danville (11.50 inches) also had its wettest July and 4th wettest on record. In Blacksburg, it was the third wettest July on record (7.78 inches). Frequent bouts of intense rain during the month caused several significant flooding and flash flooding events including:

July 3rd-4th: Five to eight inches of widespread rain fell on saturated grounds causing significant and record-breaking flooding. At the Walnut Creek gauge site in Roanoke the crest on the Roanoke River was the highest since 2004 and the first time this site has flooded in July since 1905. Evacuations took place in Salem and Roanoke. One person died as he was swept into Dry Creek near Salem. A second flood-related death occurred in Botetourt County when a man attempted to clear a blocked culvert and was swept away.

July 10th Flash Flood. 3.88 inches of rain fell at Roanoke, making it the most precipitation in one day in July on record. Twenty-one swift water rescues took place between 3:30 and 5:44 PM in northeast

July 11th-12th Flash Flooding. In Lynchburg, two to four inches of rain fell in a short period of time resulting in flooding of several roads. A few hours later, a water rescue was required on Afton Road north of Danville with 3-5" of rain fell. A car was stranded and a family rescued on White Falls Road. Another swift water rescue took place in Danville early on the 12th with 5 people rescued. Three additional people were rescued when a vehicle was trapped near Riverside Drive.

July 27th Flash Flooding. Three to eight inches of rain fell on saturated grounds resulting in numerous flooded highways and stranded motorists being rescued across Watauga, Wilkes and Ashe Counties.

